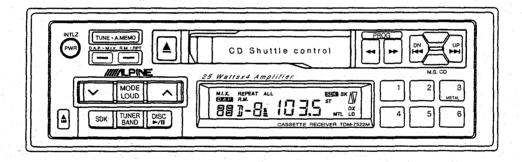


FM/MW/LW/SDK Cassette Receiver

• For the cassette deck mechanism parts (GS75A010) of this model, refer to the Service Manual • GS Series (Part No. 68P61027W01).



TDM-7522M

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Specifications

, roquonoy riange	10.7
OSADIE GENSILIVILY (SOUD S/N, MORO, 98 1 MHz)	
545 Emiling Condition (50. 1141 12)	
0,111140 (010,00) 00.1111112/	
	100404
SK Sensitivity (98.1MHz)	100Hz : 0± 10kHz : -13± 25.
MW RADIO	25.
MW RADIO	
ntermediate Frequency	1st. 10.71
	2nd. 450
Panaitivity (204B 0/N, 2004L)	
	_
go	_
requency Response (999kHz, Ref. 400Hz)	100Hz : -3±
	4kHz : -15±
W RADIO	
W RADIO	
memediate Frequency	1st. 10.71N
equency Hange	and and
11 1 tatio (2 total 12)	
10,000.01. (10EM 12, E110. 11)	
equency Response (216kHz, Ref. 400Hz)	1.00Hz:-5±4
	4kHz : -15±6
APE PLAYER	
OW & Flutter / HC M/DMC/MATT 444AD	
ow & Flutter (JIS, WHINS/MIT-111N)	0.3
,pe opeod (Will 11114)	4.70
2010011 (141) 1 1 10(4)	
((·
paration (WH 1-141N)	32
NERAL	
wer Supply	
wer Output/Impedance	14.4V C
wor output impedance	
inconductors	1010's 24Transistans 040's 1 457 mg.
(10 / 11 / 10 / 10 / 10 / 10 / 10 / 10 /	Nose : 188 \ 758 \ 724 7m
ight.	Chassis: 180×50×155m
-A	1 <i>/</i> 1

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit

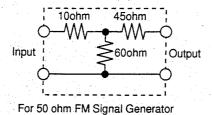
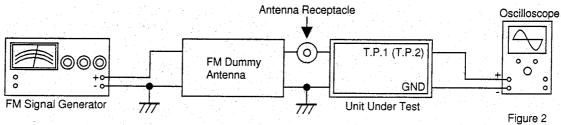


Figure 1

(2) Connections



(3) Control Settings

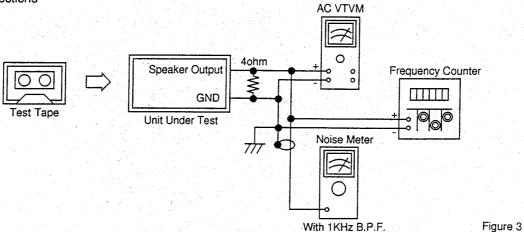
Power Switch	ON	Bass Control	 Center Position	
Fader Control				
Balance Control	Center Position	Others	 OFF	
Treble Control	Center Position			

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	SK Adjustment	Figure 2	98.1MHz, 21dB (Mod. 400Hz, Dev. 40kHz, SK: ON, BK : ON, MONO)	98.1MHz	T.P.1	Adjust L501 for Maximum Waveform at T.P.1.
2	DK Adjustment	Figure 2	98.1MHz, 21dB (Mod. 400Hz, Dev. 40kHz, SK: ON, BK : ON, DK: ON)	98.1MHz	T.P.2	Adjust VR501 for Maximum Waveform at T.P.1.

2. TAPE PLAYER SECTION

(1) Connections



(2) Control Settings
Power Switch

Fader Control

Balance Control

Treble Control

Bass Control

Center Position

Center Position

Center Position

Center Position

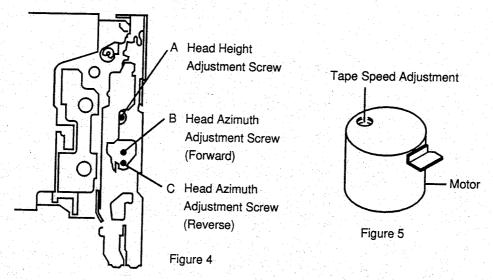
Others

OFF

(3) Adjustment Procedures

Step	Description	on	Test Tape	Connection	Test Point	Adjustment Point	Adjustment	
		(1)	MTT-141N (1kHz)	Figure 3	Speaker Output	Head Height Adjustment Screw A (Figure 4)	Adjust until the Rch level obtains the Max. output with the test tape A-side played back in the reverse mode.	
		(2)	MTT-144 (10kHz)	Figure 3	Speaker Output Head Azimuth Adjustment Screw B (Figure 4)		Adjust for Max. and same level output of Lch and Rch at Forward mode.	
1	Head Azimuth Adjustment	(3)	MTT-144 (10kHz)	Figure 3	Speaker Output	Head Azimuth Adjustment Screw C (Figure 4)	Adjust for Max. and same level output of Lch and Rch at Reverse mode.	
		(4)	MTT-141N (1kHz)	Figure 3	Speaker Output		Confirm Lch and Rch output level difference is more than 42dB with the test tape A-side played back in the reverse mode. Proceed the same procedure as above with the test tape A-side played back in the reverse mode, B-side in the forward mode, and B-side in the reverse mode.	
2	Tape Speed Adjustment		MTT-111N (3kHz)	Figure 3	Speaker Output (Lch or Rch)	Tape Speed Adjustment (Figure 5)	Adjust for 2,970 to 3,090 Hz at Speaker Output.	

Adjustment Locations



NOTE: For the Adjustment parts (VR501, L501) and Test Points, refer to the Parts Layout on P.C.Boards and Wiring Diagram.

Description of IC Terminal

85210W01 : IC503

No.	Symbol	1/0	Terminal Description
1	GND		Ground terminal.
2	GNU		
3	ST	1	Stereo signal input terminal. (H: MONO, L: STEREO)
4	NC		No connection.
5	SK	l	ARI SK signal input terminal. (H : SK ON, L : SK OFF)
6	DK	1	ARI DK signal input terminal. (H: DK ON, L: DK OFF)
7			
. }	NC	_	No connection.
9			
10	CHG.D.OUT	0	CD Changer bus line output terminal.
11	CHG.D.IN	ı	CD Changer bus line input terminal.
12	ACC	. 1	ACC power supply detection (Stand-by) terminal.
13	BATT	ı	BATT power supply detection (Compulsion Stand-by) terminal.
14	METAL	0	Equalizing control output terminal. (For metal tape)
15	PACK-IN	1	PACK-IN detection terminal.
16	FOR / REV	1	Indication control signal of TAPE running direction detection terminal.
17	MUTE-IN	1	Mute signal input terminal. (For GS Mechanism)
18			
. ₹	NC	_	No connection.
20			
21	ALARM	0	Alarm signal output terminal. (L : Alarm OFF)
22	EV.DATA	0	Serial data output terminal for electrical volume (IC209).
23	EV.CLK	0	Serial clock output terminal for electrical volume (IC209).
24			
25	NC	-	No connection.
26	FM IF	ī	FM IF signal input terminal. (at only FM tuning)
27	AM IF	ī	AM IF signal input terminal. (at only AM tuning)
28	NC	_	No connection.
29	S-METER	1	Signal meter signal input terminal.
30	V _{DD} 1	_	Power supply terminal.
31	AM OSC		AM OSC signal input terminal.
32	FM OSC	1	FM OSC signal input terminal.
33	GND	_	Ground terminal.
34	X OUT	0	Output terminal for system clock OSC.
35	XIN	1	Input terminal for system clock OSC.
36	E0	0	Charge pump output terminal for PLL synthesizer.
		ــــــــــــــــــــــــــــــــــــــ	

No.	Symbol	1/0	Terminal Description
37			
~	NC		No connection.
40			
41	V _{DD} 2		Power supply terminal.
42			
~	NC		No connection
44			
45	L/D	0	SEEK switching terminal for LOCAL / DX. (H: Local, L: DX)
46	LW	0	L.P.F. switching terminal for LW Band. (H:LW, L:Others)
47	REQ	0	IF output control terminal. (H: FM/AM SEEK, L: During Receiver)
48	LW	0	L.P.F. switching terminal for LW Band. (H: Others, L: LW)
49	FM/AM	0	Power supply switching terminal. (For FM / AM) (H : FM, L : AM)
50			
~	NC	<u> </u>	No connection.
53			
54	LCD INH	0	INH signal output terminal for LCD driver. (IC402)
55	LCD CE	0	CE signal output terminal for LCD driver. (IC402)
56	LCD DATA	0	DATA signal output terminal for LCD driver. (IC402)
57	LCD CLK	0	CLK signal output terminal for LCD driver. (IC402)
58			
~	NC		No connection.
69			
70	A. MUTE	0	Audio mute signal output terminal. (H: Output)
71	POWER IC ON	0	Stand-by control signal output terminal for Power IC. (IC210, 211)
72	POWER-CONT	0	Power supply control terminal.
73	NC		No connection.
74	INC		INO CONTINUEDIONI.
75	NOSE ON	1	Nose setting detection terminal.
76	KEY-IN A/D-1		
77	KEY-IN A/D-2	1	Key matrix A/D port signal input teminal.
78	KEY-IN A/D-3		
79	GND	_	Ground terminal.
80			

LCD Display

37

D.A.P.

M.I.X.

38

2f

2e

39

1h

1a

40

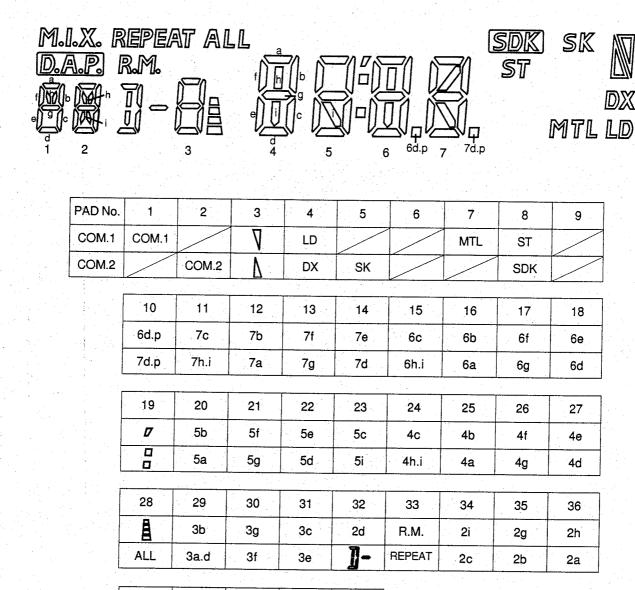
1e.f

1g

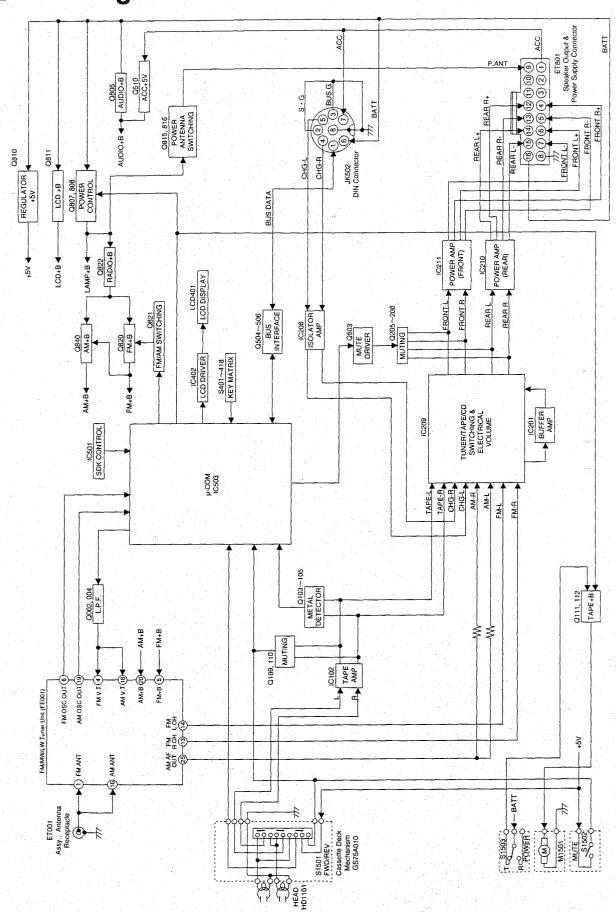
41

1d

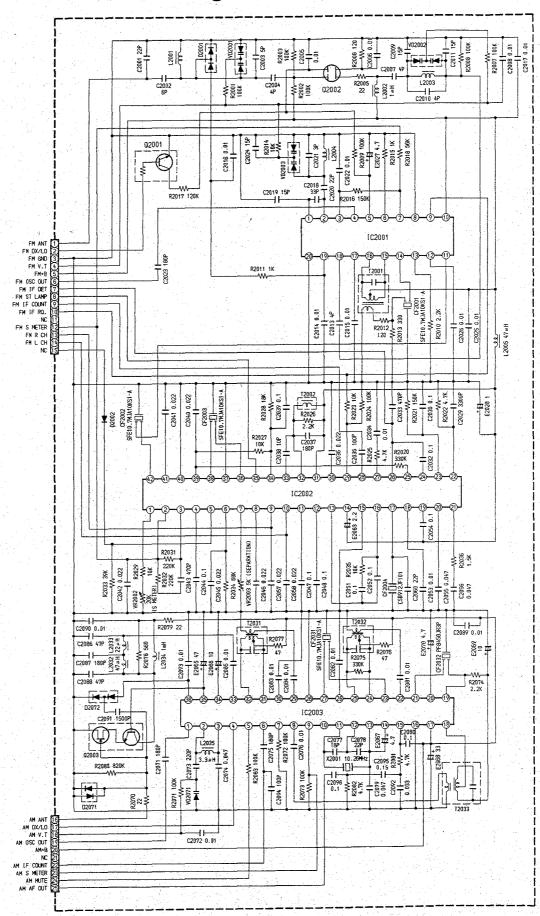
1d.c



Block Diagram



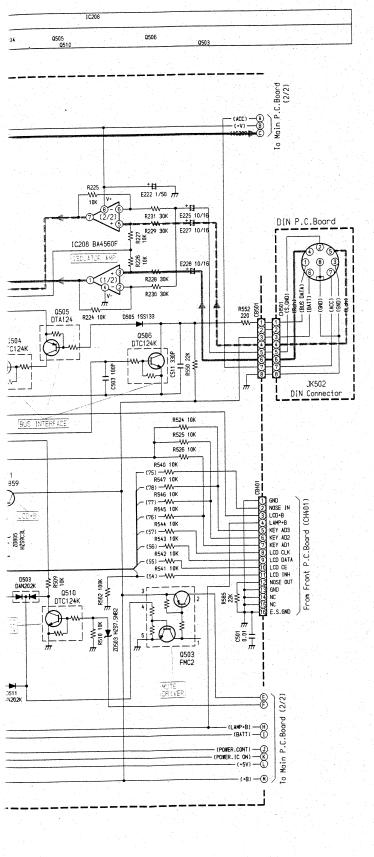
Tuner Schematic Diagram



Parts Layout on P.C. Boards and Wiring Diagram (1/2) All P.C. Boards viewed from soldered side. Main P.C.Board Assy., Antenna Receptacle M1501 From Front P.C. Board (CH401)

Blue Color Pattern : Foil Side Pattern

TDM-7522M TDM-7522M All P.C. Boards viewed from soldered side. Parts Layout on P.C. Boards and Wiring Diagram (2/2) To Main P.C. Board (CB101) **DIN P.C.Board** SDK P.C.Board WHT (2) WHT (4) WHT (5) WHT (6) GS Control (1) P.C.Board Solenoid SD1501 GS Control (2) P.C.Board RED To CH004 • 3 To Main P.C. Board (CB002) HD1101 To Main P.C. Board (CB102) Front P.C.Board To CH401 5 To Main P.C. Board (CB401) Orange Color Pattern: Component Side Pattern Blue Color Pattern : Foil Side Pattern



IC	102	ı	C201		IC	202		IC:	208	IC	503				
1	1.26V	1 [1 4.3	7V	1	4.3	7V	1	4.37V			MODE			MODE
2	0.75V	1	2 43	7V	2	4.3	7V	2	PS	1	OV		41	5.04V	
3	3.27V	11	3 42	77	3	4.3	7V	3	4.37V	2	ov		42	NC	
4	8.75V	1	4 0	V	4	0	v	4	OV	3	5.14V/0.05V	MONO/ST	43	NC	
5	OV	11	5 4.3	7V	5	N	c	5	4.37V	4	NC		44	NC	
6	3.25V	1 1	6 43	7V	6	N	С	6	PS	5	0V		45	0V/4.84V	OTHERS(FM)/LOCAL SEEK
7	0.75V	11	7 43	77	7	N	С	7	4.37V	6	OV		46	4.98V/0V	LW/FM
8	1,26V	11	8 8.7	2V	8	8.7	2V	8	8.72V	7	NC .		47	5V/0V	SEEK/OTHERS (FM)
_		ן ר		السنب	_	-				8	NC		48	0V/4.98V	LW/FM
IC	209			11.00					_	9	NC		49	4.94V/0V	FWAM
1	4.9V	9	NC	17	4.	38V	25	4.27V		10	0.04V		50	NC	
2	OV	10	4.39	/ 18	4.3	38V	26	4.39V		11	5.03V	NACH THE	51	NC	
3	4.39V	11	4.38\	/ 19	8.0	65V	27	4.4V		12	4.98V/0V	ACC ON/OFF	52	NC .	
4	4.39V	12	8.69	20	4:	38V	28	4.39V		13	5.04V		53	NC	
5	4.39V	13	4.38\	/ 21	4.	39V	29	4.4V		14	4.95V/0V	METAL ON/OFF	54	4.92V/0V	POW.ON/OFF
6	4.39V	14	4.38	22	4.	38V	30	4.4V		15	5.49V/0V	PACK-IN/OTHERS (FM)	55	OV	
7	4.39V	15	4.38	23	4	.4V	31	8.75V		16	4.95V/4.96V	FOR/REV	56	OV	
8	4.33V	16	4.38	24	1	VC .	32	4.9V		17	4.97V/0V	FF - REW/TAPE	57	OV	
										18	NC		58	NC	
										19	NC		59	NC	
									400	20	NC		60	NC	
										21	٥٧		61	NC .	
										22	4.9V/PS	OTHERS/VOL.UP.DN	62	NC	
										23	4.91V/PS	OTHERS/VOL.UP.DN	63	NC	
										24	NC		64	NC	
										25	NC		65	NC	
										26	2.72V/0V	SEEK/OTHERS (FM)	66	NC .	
										27	2.72V/0V	SEEK/OTHERS (AM)	67	NC	
										28	NC		68	NC -	
										29	0.46V/5.11V	OTHERS (TAPE)/RADIO (FM)	69	NC	
										30	5.05V		70	4.96V/0V	MUTE/OTHERS (RADIO.FM)
										31	2.62V/0V	AWOTHERS (TAPE)	. 71	4.84V/0V	POW.ON/OFF
										32	2.01V/0V	FMOTHERS (TAPE)	72	4.67V/OV	POW.ON/OFF
										33	OV		73	NC	
										34	PS		. 74	NC	
										35	2.48V		75	2.71V/4.42V	NOSE.ON/OFF
										36	PS		76	2.81V	1 4 1 2 1 1 2 2
										37	NC		77	2.81V	
										38	NC		78	2.81V	

	ε	C	В	MODE
C0002	٥v	PS	PS	RADIO
Q004	PS	PS	PS	RADIO
Q103	3.25V/3.32V	3.25V/3.32V	2.71V/8.63V	METAL ON/OFF (TAPE)
Q104	3.19V/3.32V	3.19V/3.32V	2.64V/8.63V	METAL ON/OFF (TAPE)
Q105	00/00	0.05V/8.72V	1.04V/0V	METAL ON/OFF (TAPE)
Q109	0V/0V	00/00	0V/4.96V	TAPE (PLAY)/FF.REW
Q110	00/00	00/00	0V/4.96V	TAPE (PLAY)/FF.REW
Q111	14.34V/0V	14.31V/0.26V	13.64V/0V	TAPE/(RADIO)
Q112	OV	OV	4.64V	POWER ON
Q504	OV	PS	PS	CD
Q505	5.04V	OV	PS	CD
Q506	OV	PS .	0V	CD
Q510	00/00	00/00	3.92V/0V	ACC ON/OFF
Q811	8.99V/OV	13.13V/14.93V	9.62V/0V	POWER ON/OFF
Q820	8.67V	8.63V	7.97V	RADIO (FM)
Q821	OV	OV	4.93V	RADIO (FM)
O822	8.67V	13.4V	9.26V	RADIO
Q840	8.3V/8.3V	0V/8.3V	8.3V/7.5V	FM/AM

[Measuring Conditions] · Power Supply Voltage

: DC14.4V : Digital Multi Meter · Measuring Meter Measuring Point Reference: Between Ground : No Signal Input · Measuring Conditions

FM 98.1MHz MW 999kHz LW 216kHz Tape Blank

	1	2	3	4	5	MODE
Q005	4.98V/0V	00/00	4.98V/0V	0V/0V	0V/4.98V	LW/FM
0503	NC	14.21V/0.06V	14.25V/14.25V	4.4V/0V	00/00	MUTE ON/OFF

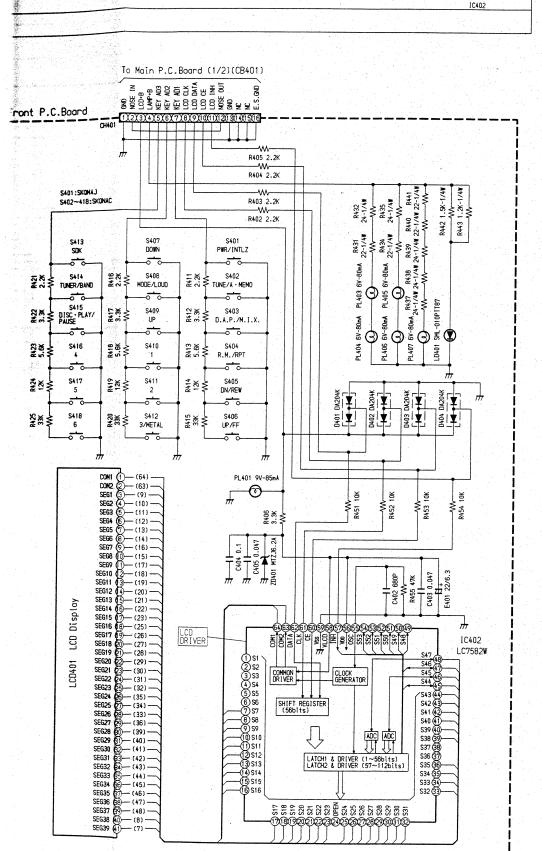
NOTE:
1. All resistance values are in ohms. K = 1,0002. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Н

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TDM-7522M



C40		٠.			_		4		210	_	
1-6	NC	100	1	٥٧	11	OV		1	NC	10	14.4V
7~23	PS		2	0.05V	12	4.34V	1	2	4.93V	11.	5.98V
24	NC	1	3	0.04V	13	5.44V	1	3	5.02V	12	6.03V
25~36	PS		4	OV	14	4.24V	1	4	4.9V	13	OV.
37, 38	NC		5	4.39V	15	4.32V		5	OV	14	0V
39~48	PS	١.	6	4.37V	16	4.37V		6	5V	15	5.99V
49~54	NC		7	8.73V	17	4.37V		7	4.95V	16	6V
55	5V		8	4.37V	18	٥٧	1	8	5V	17	14.4V
56	5.22V		9	5.47V	19	3.64V		9	14.4V		
57	5.01V	1	10	5.47V	20	OV	1				

IC211

59 0V

60~64 PS

1	NC	10	14.4V	
2	4.88V	11	5.97V	1 [
3	4.9V	12	6.01V	1 [
4	4.9V	13	OV	1 [
5	0V	14	0V	
6	5.04V	15	5.98V	
7.	4.98V	16	6V	

8 5.02V 17 14.4V 9 14.4V

	1	NC	
_	2	4.95V/0V	
	3	5.05V/5.1V	
	4	4.8V/0V	
-	5	00/00	
	МО	DE : ACC O	N/C
-			

Q823

Ε С MODE Q205 0V/0V 00/00 5.2V/0V MUTE ON/OFF Q206 0V/0V 00/00 5.2V/0V MUTE ON/OFF C)207 0V/0V 00/00 5.2V/0V MUTE ON/OFF Q208 00//00 0V/0V 5.2V/0V MUTE ON/OFF Q502 OV 4.4V OV Q806 8.65V/0V 14.44V/14.93V 9.26V/0V POWER ON/OFF Q807 14.44V/14.93V 14.38V/0V 13.72V/14.9V POWER ON/OFF Q808 00/00 0V/14.9V 4.65V/0V POWER ON/OFF Q810 4.97V 13.55V 5.55V RADIO Q813 14.09V/14.33V 0V/14.32V 13.71V/13.6V OTHER/PROTECT CIRCUIT ON Q814 00/00 13.34V/0V 0V/10.2V OTHER/PROTECT CIRCUIT ON Q815 OV OV 7.2V POW ON Q816 12.96V 12.85V 12.23V POW ON

[Measuring Conditions]

- · Power Supply Voltage : DC14.4V
- · Measuring Meter : Digital Multi Meter
- · Measuring Point Reference: Between Ground
- · Measuring Conditions : No Signal Input
 - FM 98.1MHz
 - MW 999kHz
 - LW 216kHz
 - Tape Blank

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

H

- 20 -

K

Electrical Parts List Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

	1.	Capa	citor: "F=mic	rofarads	.pF=picofarad	S
	Abbrev			Symbol	Part No.	Description
RES.= Re		CAP.= Capacitor	- 11	No.		
	rbon Film	ELY.= Electrolytic		Q810	48T83835F03	2SD1859
		CER.= Ceramic	11	Q811	48T83835F03	2SD1859
M.F.= Me		MYL.= Mylar	11	Q813	48T63420F01	CP., 2SA1037K
	etal Oxide Film	TAN. = Tantalum		Q814	48T62967F03	CP. DTC124K
M.P.= Me		POLY = Polystyrol	- 11	Q815	48T62967F02	CP, DTC114K
TR. = Tra						
- -	= Transformer	PP. = Polypropylene	11	Q816	48T84366F04	2SB1243
CP. = Ch	ip	PLT.= Polyethylene	- 11	Q820	48T84234F03	2SB1238
1.14		PF. = Polyester Film_			1	1 .
Symbol	Part No.	Description		Q821	48T62967F03	CP., DTC124K
No.				Q822	48T15289W03	2SD2008
			- 11	Q823	48T73888F12	CP. FMC2
Main	P.C.Board					
				Q840	48T84234F03	2SB1238
IC's			- 11			
IC102	51T65025W01	LA3161				
IC201	51T92001F11	BA4560F	- 11		the second	
IC202	51T65379F11	BA4558F	11-		•	<u> </u>
IC202	51T92001F11	BA4560F	11	Diode	s / Surge Pro	otector
	51T65131W01	TEA6320T	11-	D100e	48T63462F01	CP., DAN202K
IC209	311031317701	1200001	- 11	D105	48T68828F01	155133
		TAGGAELL		D103	48T84052F01	11ES2TA1
IC210	51T35133W02	TA8215H				
or	51T65310W01	MC13309T		D202	48T84052F01	11ES2TA1
IC211	51T35133W02	TA8215H	- 11	D203	48T84052F01	11ES2TA1
or	51T65310W01	MC13309T	11			
IC503	51T85210W01	85210W01	11	D204	48T84052F01	11ES2TA1
			- 11	D205	48T84052F01	11ES2TA1
			11	D206	48T84052F01	11ES2TA1
				D207	48T84052F01	11ES2TA1
Trans	istors		11	D208	48T84052F01	11ES2TA1
Q002	148T90181F05	2SD1993				
Q004	48T90181F05	2SD1993		D209	48T68580F03	DSA3A4
Q005	48T73888F08	CP., FMG1	- 11	D501	48T63462F01	CP., DAN202K
Q103	48T63420F01	CP., 2SA1037K	- 11	D503	48T63462F01	CP., DAN202K
		1	- 11	D505	48T68828F01	158133
Q104	48T63420F01	CP., 2SA1037K	11		1	155133
1.1			- 11	D510	48T68828F01	1155155
Q105	48T62967F09	CP., DTC114TK			10700 1005	IOD DANGOCK
Q109	48T62967F33	CP., DTC343TK	- 11	D511	48T63462F01	CP., DAN202K
Q110	48T62967F33	CP., DTC343TK		D801	48T63462F01	CP., DAN202K
Q111	48T84366F04	2SB1243	11	D802	48T64134F01	CP., DA204K
Q112	48T62967F09	CP., DTC114TK	- 11	D803	48T84052F01	11ES2TA1
			11	D850	48T68828F01	1SS133
Q205	48T62967F33	CP., DTC343TK				
Q206	48T62967F33	CP., DTC343TK		ZD001	48T83128F27	Zener, HZS9C3L
Q207	48T62967F33	CP., DTC343TK		ZD102	48T90517F26	Zener, HZS5.6NB1
Q208	48T62967F33	CP., DTC343TK]	ZD501	48T90517F07	Zener, HZS2.7NB1
Q503	48T73888F12	CP., FMC2	11	ZD503	48T90517F36	Zener, HZS7.5NB2
	2000112			ZD801	48T83128F03	Zener, HZS6A3L
Q504	48T62967E02	CD DTC104K	II II			
Q505	48T62967F03	CP DTC124K	11	ZDOOO	40T00100F04	Zapar HZSOR31
	48T62966F03	CP., DTA124	11		48T83128F24	Zener, HZS9B3L
Q506	48T62967F03	CP., DTC124K	11		48T26033W32	Zener, MTZJ6.8A
Q510	48T62967F03	CP., DTC124K			48T83128F27	Zener, HZS9C3L
Q806	48T83835F03	2SD1859	- 11	ZD806	48T83128F24	Zener, HZS9B3L
	1		- 11	DSP001	48T81909F01	Surge Protector, DSP-201M
	Ì		11		1.0.0.000.0.	Od. 90 1 1010 1111
Q807	48T84366F04	2SB1243	l l	50,001	1010100101	
	48T84366F04 48T62967F05	2SB1243 CP., DTC143XK		56.001		

Symbol No.	Part No.	Description		Symbol No.	Part No.		Description
				E206	23S75372W09	ELY.,	4.7μF / 35V
Coils		e, e la circina de la circina de la companione de la companione de la companione de la companione de la compan		C207	08T15399W02	CP.,	0.033μF
L001	24T50508F18	Inductor, 4.7µH		E207	23S75372W09	ELY.,	4.7µF / 35V
L002	24T94308F01	Inductor, 100mH	- 11	C208	08T15399W02	CP.	0.033μF
L003	24T50508F24	Inductor, 15µH	- 11	E208	23S75372W09	ELY.	the state of the s
L501	24T84175F51	57kHz					
L800	24T35072W01	FBI, BL01RN1		C209	08S65128F66	CP.,	5600pF
				E209	23S75372W07	ELY.	
L801	24T75055W03	Choke	- 11	C210	08S53332F44	CP.,	
2001	241700001100	Onoke				1	5600pF
				E210	23S75372W02	ELY.,	
				C211	08S53332F47	CP.,	0.01μF
	<u> L</u>					:	
				E211	23S75372W07	ELY.,	47μF / 16V
Crysta				C212	08T15807W05	CP.,	0.1μF
X501	91T45118W23	4.5MHz		E212	23S75372W15	ELY.,	1μF / 50V
				C213	08T65020W07	CP.,	0.15μF
				C214	08T65020W07	CP.,	0.15μF
			[]				
				C215	08T65020W07	CP.,	0.15μ F
Capa	citors			E215	23S75372W04	ELY.,	10μF / 16V
E001	23S75372W08	ELY., 100μF / 16V		C216	08T65020W07	CP.,	0.15μF
C002	08S65128F69	CP., 0.01µF	- 11	C217	08T65020W07	CP.,	0.15µF
C003	08T55390W23	TF, 0.033µF		E217	23S75372W15	ELY.	1μF / 50V
E003	23S75372W10	ELY., 0.1µF / 50V					.μ. 7007
C004	08T15399W02	CP., 0.033μF		C218	08T65020W07	CP.	0.15μF
0001	001100001102	от., отобри		C219	i	1 .	
C005	08T15399W02	CD 0.020./F		and the second	08T65020W07	CP.,	0.15μF
		CP., 0.033μF		C220	08T65020W07	CP.,	0.15μ F
C030	08S65128F35	CP., 100pF		C221	08T15807W05	CP.,	0.1μF
C031	08S65128F69	CP., 0.01μF	- 11	E222	23S75372W15	ELY.,	1μF / 50V
C035	08S53332F35	CP., 1000pF		* *.			
C040	08S53332F13	CP., 15pF		E223	23S75372W14	ELY.,	0.68μF / 50V
			- 11	E224	23S75372W14	ELY.,	0.68μF / 50V
C099	23S82372F19	ELY., (B.P) 2.2µF / 50V	- 11	E225	23S75372W04	ELY.,	10μF / 16V
C100	08S65128F69	CP., 0.01μF	- 11	E227	23S75372W04	ELY.,	10μF / 16V
C101	08S65128F57	CP., 1000pF		E228	23S75372W04	ELY.,	10μF / 16V
C102	08S65128F57	CP., 1000pF					
C103	08T15399W04	CP., 0.027μF		E233	23S75372W04	ELY.,	10μF / 16V
				E234	23S75372W04	ELY.,	10μF / 16V
C104	08S65128F65	CP, 4700pF		E235	23S75372W04	ELY.,	10μF / 16V
1	08S65128F65	CP., 4700pF	11		23S75372W04	ELY.,	
1	08T15399W04	CP., 0.027µF		E236	23T55405W15	1	10μF / 16V
	23S75372W16	ELY., 2.2µF / 50V		L20/	20100400010	ELY.,	1μF / 50V
	23S75372W16	i		E000	00TEE 405144.5		4E (E6.)
-104	200/00/2WID	ELY., 2.2μF / 50V			23T55405W15	ELY.	1μF / 50V
	000750701115	5. V			23T55405W15	ELY.,	1μF / 50V
_	23\$75372W03	ELY., 220μF / 10V	- 11		23T55405W15	ELY.,	1μF / 50V
	23S75372W03	ELY., 220µF / 10V			23T55405W01	ELY.,	10μF / 16V
	23S75372W13	ELY., 0.47μF / 50V		E242	23T55405W01	ELY.,	10μF / 16V
. 1	23S75372W13	ELY., 0.47μF / 50V					
E161 2	23S75372W08	ELY., 100μF / 16V		E243	23T55405W01	ELY.,	10μF / 16V
				E244	23T55405W01	ELY.,	10μF / 16V
162 2	23S75372W15	ELY., 1µF / 50V				ELY.,	220µF / 10V
163 2	23S75373W04	ELY., 33μF / 16V			23T94181F40	ELY.,	220μF / 10V
		ELY., 22µF / 16V			23T75346W01	ELY.	2200μF / 16V
	23S75372W02	ELY., 100µF / 10V	11	''		1.,	
	23S75372W15	ELY., 1μF / 50V		E248	23T75346W01		220045 74617
				4		ELY.,	2200µF / 16V
204 2	3875270\445	51V 105/50V				ELY.	330μF / 16V
	-	ELY., 1μF / 50V		1		CP.,	0.01μF
	3S75372W09	ELY., 4.7μF / 35V	1.2	C503	08S65128F35	CP.,	100pF

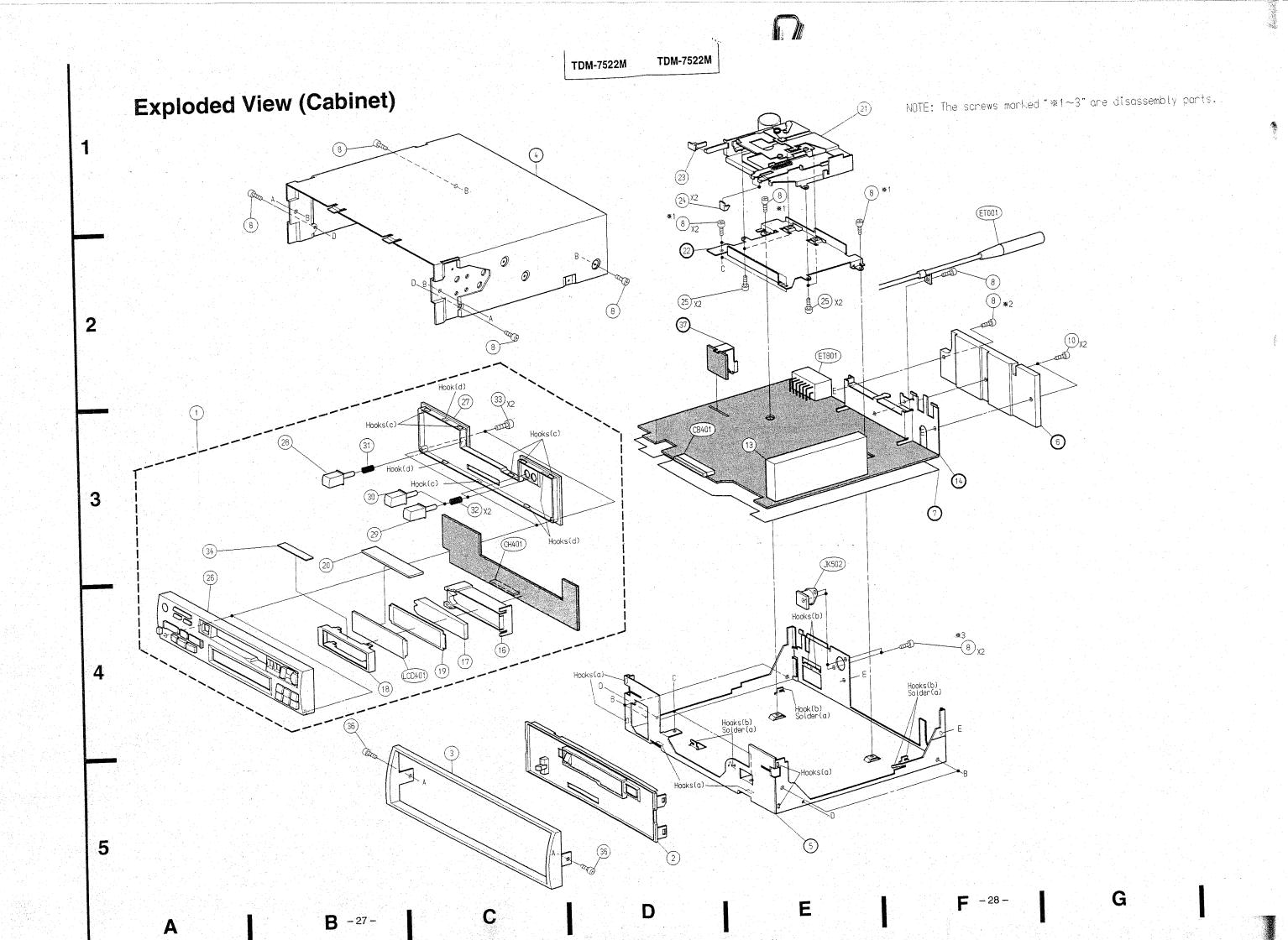
0 1 -1	Part No.	Description	Symbol	Part No.	Description
Symbol	Fall No.	Description	No.		
No. C504	08T55390W07	PF. 1500pF	R104	06S64995F91	39K ohm
C505	08S65128F57	CP., 1000pF	R109	06S64996F04	120K ohm
C510	08S65480F61	CER. 0.01µF	R110	06S64996F04	120K ohm
E510	23S75372W13	ELY., 0.47µF / 50V	R111	06S64995F71	5.6K ohm
C511	08S65128F47	CP. 330pF	R112	06S64995F71	5.6K ohm
0311	000001207 47				
C517	08S65128F69	CP., 0.01µF	R113	06S64995F19	39 ohm
C517	08S82122F21	CP 22pF	R114	06S64995F19	39 ohm
C519	08S82122F21	CP. 22pF	R116	06S70072F78	2.2 ohm 1/4W
C519	08S53332F27	CP., 220pF	R117	06S64995F73	6.8K ohm
E520	23S75372W03	ELY., 220µF / 10V	R118	06S53330F73	6.8K ohm 1/8W
2320	250750721100		[.		
C521	08S53332F27	CP., 220pF	R119	06S64996F02	100K ohm
C550	08S65128F35	CP., 100pF	R120	06S64996F02	100K ohm
C550	08S65128F51	CP., 470pF	R122	06S64995F77	10K ohm
E801	23S75373W13	ELY., 1μF / 50V	R151	06S64995F77	10K ohm
E802	23S75373W07	ELY., 4.7μF / 35V	R152	06S64995F77	10K ohm
Louz	200700701107				
E803	23T75479W26	ELY., 330μF / 16V	R156	06S64995F53	1K ohm
E804	23S75373W02	ELY., 10µF / 16V	R157	06S64995F53	1K ohm
C806	08T15399W01	CP., 0.022μF	R206	06S53330F53	1K ohm 1/8W
E807	23S75373W08	ELY., 0.1µF / 50V	R207	06S53330F53	1K ohm 1/8W
E809	23S75373W02	ELY., 10µF / 16V	R224	06S64995F77	10K ohm
2003	200700701102				
E811	23S75372W03	ELY., 220µF / 10V	R225	06S64995F77	10K ohm
C850	08T55390W17	PF., 0.01μF	R226	06S64995F77	10K ohm
0000	00100000		R227	06S64995F77	10K ohm
			R228	06S64995F88	30K ohm
			R229	06S64995F88	30K ohm
	<u> </u>	(All resistors are chip1/10W±5%	R230	06S64995F88	30K ohm
Resis	tors	unless otherwise noted.)	R231	06S53330F88	30K ohm 1/8W
R002	106S53330F53	1 K ohm 1/8W	R246	06S64995F37	220 ohm
R005	06S64995F65	3.3K ohm	R247	06S53330F37	220 ohm 1/8W
R006	06S64995F53	1K ohm	R248	06S53330F37	220 ohm 1/8W
R007	06S64995F65	3.3K ohm			
R008	06S64995F53	1K ohm	R249	06S53330F37	220 ohm 1/8W
			R254	06S64995F67	3.9K ohm
R009	06S64995F05	10 ohm	R255	06S64995F67	3.9K ohm
R010	06S64995F49	680 ohm	R256	06S64995F67	3.9K ohm
R013	06S64995F75	8.2K ohm	R257	06S64995F67	3.9K ohm
R014	06S53330F71	5.6K ohm 1/8W			
R050	06S64995F65	3.3K ohm	R260	06S64995F65	3.3K ohm
			R261	06S64995F65	3.3K ohm
R051	06S64995F65	3,3K ohm	R262	06S64995F61	2.2K ohm
R052	06S64995F81	15K ohm	R263	06S64995F61	2.2K ohm
R053	06S64995F81	15K ohm	R264	06S64995F61	2.2K ohm
R055	06S64995F85	22K ohm			
R056	06S64995F85	22K ohm	R265	06S64995F61	2.2K ohm
			R266	06S64995F57	1.5K ohm
R057	06S70072F41	330 ohm 1/4W	R267	06S64995F57	1.5K ohm
R058	06S70072F05	10 ohm 1/4W	R268	06S64995F57	1.5K ohm
R060	06S53330F89	33K ohm 1/8W	R269	06S64995F57	1.5K ohm
R100	06S70072F57	1.5K ohm 1/4W			
R101	06S70072F57	1.5K ohm 1/4W	R270	06S53331F40	2.2 ohm 1/8W
			R271	06S53331F40	2.2 ohm 1/8W
R102	06S64995F77	10K ohm	R272	06S53331F40	2.2 ohm 1/8W
R103	06S64996F02	100K ohm	R273	06S53331F40	2.2 ohm 1/8W
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	Symbo No.	Part No.	Description	Sym		Part No	Description
	R274	06S53331F40	0.0 -1	. No.			
	R275	1	2.2 ohm 1/8W	R83	30	06S70072F03	3 6.8 ohm 1/4W
	R276		2.2 ohm 1/8W	R83		06S70072F59	
	R277		2.2 ohm 1/8W	R83	32	06S70072F61	2.2K ohm 1/4W
	R282	06S53331F40 06S53330F81	2.2 ohm 1/8W	R83	33	06S70072F59	1.8K ohm 1/4W
ı	11202	000000000000000000000000000000000000000	15K ohm 1/8W	R83	34	06S70072F59	1.8K ohm 1/4W
	R291	06S64995F87	27K ohm	11			
ı	R292	06S64995F87	27K ohm	R83		06S70072F59	
I	R300	06S70072F53	1K ohm 1/4W	R83		06S64995F77	
•	R509	06S64995F77	10K ohm	R83		06S70072F53	
1	R510	06S64995F77	10K ohm	R83		06S64995F65	3.3K ohm
·		15555	TON ONLY	R84	1	06S70072F53	1K ohm 1/4W
	R520	06S64995F53	1K ohm	R84:	,	00004005500	
	R521	06S53330F77	10K ohm 1/8W	VR5	- 1	06S64995F89	33K ohm
-	R523	06S64995F89	33K ohm	V 1131	٠' ا	18T81060F04	Variable, 330 ohm
	R524	06S53330F77	10K ohm 1/8W	H			
1	R525	06S53330F77	10K ohm 1/8W				
1]]			
	R526	06S53330F77	10K ohm 1/8W	l 			
ı	R527	06S64995F85	22K ohm		nt	D C Daard	
	R531	06S64995F93	47K ohm		<i>7</i> 111	P.C.Board	
	R532	06S64995F93	47K ohm	IC			
1	R537	06S64995F77	10K ohm	IC402) [:	51T83905F03	LC7582W
l							LO7 382 W
	R538	06S64995F77	10K ohm				
1	R548	06S64995F85	22K ohm	l 			
1	R549	06S64995F85	22K ohm	Dioc	des		
1	R550	06S53330F85	22K ohm 1/8W	D401		8T64134F01	ICP., DA204K
ı	R551	06S53330F93	47K ohm 1/8W	D402		8T64134F01	CP., DA204K
				D403	- 1	8T64134F01	CP. DA204K
1	R552	06S64995F37	220 ohm	D404		8T64134F01	CP., DA204K
	R553	06S64995F53	1K ohm	ZD401	- 1	8T45012W29	Zener, MTZJ6.2A
	R554	06S64995F53	1K ohm				201101, 1111 200.ZA
	R559	06S53331F02	100K ohm 1/8W				
	R561	06S64995F53	1K ohm			····	
l	0.570			Swit	che	es	
	R570	06S64995F53	1K ohm	S401		T55656W03	Tact, CP. SKQMAJ (PWR/INTLZ)
	R571	06S64996F02	100K ohm	S402	40	T75234W01	Tact, SKQNAC (TUNE/A.MEMO)
l		06S64995F85	22K ohm	S403	40	T75234W01	Tact, SKQNAC (D.A.P./M.I.X.)
	1	06S70072F04	8.2 ohm 1/4W	S404	40	T75234W01	Tact, SKQNAC (R.M./RPT)
	R802	06S53330F75	8.2K ohm 1/8W	S405	40	T75234W01	Tact, SKQNAC (DN/REW)
ŀ	R807	06S70072F61	2.2K ohm 1/414/		1		
		06S64996F02	2.2K ohm 1/4W 100K ohm	S406	1	T75234W01	Tact, SKQNAC (UP/FF)
		06S53330F77	10K ohm 1/8W	S407		T75234W01	Tact, SKQNAC (DOWN)
		06S70072F53	1K ohm 1/4W	S408	1	T75234W01	Tact, SKQNAC (MODE/LOUD)
	9	06S53330F77	10K ohm 1/8W	S409		T75234W01	Tact, SKQNAC (UP)
			promise the second seco	S410	40	T75234W01	Tact, SKQNAC (1)
	R818	06S64995F77	10K ohm	0411	1.0	T7500 414/04	
	R819	06S70072F61	2.2K ohm 1/4W	S411	1	T75234W01	Tact, SKQNAC (2)
	R820 C	06S64995F77	10K ohm	S412 S413	1.	T75234W01	Tact, SKQNAC (3/METAL)
		6S70072F03	6.8 ohm 1/4W	S413	•	T75234W01	Tact SKQNAC (SDK)
		6S70072F03	6.8 ohm 1/4W	S414 S415	1	Г75234W01 Г75234W01	Tact, SKQNAC (TUNER/BAND)
				0410	1	170204VVUT	Tact, SKQNAC
	R823 0	6S64995F77	10K ohm				(DISC • PLAY/PAUSE)
	R824 0	6S64995F77	10K ohm	S416	40T	75234W01	Tact SKONAC (4)
		6S70072F59	1.8K ohm 1/4W	S417			Tact, SKQNAC (4) Tact, SKQNAC (5)
	R828 0	6S53330F77	10K ohm 1/8W	S418			Tact, SKQNAC (5) Tact, SKQNAC (6)
					•	11.5	Carrier (0)
	4.5				—		

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Symbol	Part No.	Description	Symbol	Part No.	Description
No.			No.		
			R438	06S70072F14	24 ohm 1/4W
Lamp			R439	06S70072F14	24 ohm 1/4W
PL401	65T75231W01	9V-85mA	R440	06S70072F13	22 ohm 1/4W
PL403	65T75233W01	6V-80mA	R441	06S70072F13	22 ohm 1/4W
PL404	65T75233W01	6V-80mA	R442	06S70072F57	1.5K ohm 1/4W
PL405	65T75233W01	6V-80mA		The second second	
PL406	65T75233W01	6V-80mA	R443	06S70072F55	1.2K ohm 1/4W
			R451	06S64995F77	10K ohm
PL407	65T75233W01	6V-80mA	R452	06S64995F77	10K ohm
1 2 30	001702001101	0.00	R453	06S64995F77	10K ohm
			R454	06S64995F77	10K ohm
	<u> </u>		R455	06S64995F93	47K ohm
			71400	00004000100	477.03.111
LED					
LD401	48T65477W03	CP., SML-010PTT87 (GRN)	1		
	March 1991 (2015)				
			1		
Capa	citors		SDK	P.C.Board	
E401	23S61523F05	ELY., 22μF / 6.3V			
C402	08S82122F57	CP., 680pF	IC		
C403	08T15399W03	CP., 0.047µF	IC501	51T55490W01	TDA1581T
C404	08S65128F76	CP., 0.1μF		la granda de la companya de la compa	
C405	08T15399W03	CP., 0.047µF	a wallanda		
			—	-	<u> </u>
			Trans	ietor	
1			Q502	48T63417F03	CP., 2SC2412K
	1.272	(All resistors are chip 1/10W±5%	1 335	10,000,00	
Resis		unless otherwise noted.)		<u> </u>	<u> </u>
R402	06S64995F61	2.2K ohm			
R403	06S64995F61	2.2K ohm	Capa		
R404	06S64995F61	2.2K ohm	C501	08T55390W27	TF, 0.068μF
R405	06S64995F61	2.2K ohm	E501	23S75373W07	ELY., 4.7μF / 35V
R406	06S64995F65	3.3K ohm	C502	08T55390W27	TF, 0.068μF
			E502	23S75373W08	ELY., 0.1μF / 50V
R411	06S64995F61	2.2K ohm	C503	08T55390W27	TF, 0.068μF
R412	06S64995F65	3.3K ohm			
R413	06S64995F71	5.6K ohm	E503	23S75372W15	ELY., 1µF / 50V
R414	06S64995F79	12K ohm	E504	23S75373W08	ELY., 0.1µF / 50V
R415	06S64995F89	33K ohm	C505	08T55390W26	TF, 0.056μF
			C506	08T55390W23	TF, 0.033µF
R416	06S64995F61	2.2K ohm	C507	08T55390W25	TF, 0.047μF
R417	06S64995F65	3.3K ohm			
R418	06S64995F71	5.6K ohm	C528	08T55390W25	TF, 0.047μF
R419	06S64995F79	12K ohm	C528	08155390W29	TF, 0.1μF
R420	06S64995F89		0029	001000004429	111, σ. τμιν
١٠٠٠	00004990009	33K ohm	1		
B421	00004005504				
R421	06S64995F61	2.2K ohm	1		都是一样,大名《《 ·金》,有
R422	06S64995F65	3.3K ohm		<u> </u>	
R423	06S64995F71	5.6K ohm			(All resistors are chip 1/10W±5%
R424	06S64995F79	12K ohm	Resis	tors	unless otherwise noted.)
R425	06S64995F89	33K ohm	R501	06S64996F10	220K ohm
			R502	06S64995F43	390 ohm
R431	06S70072F13	22 ohm 1/4W	R503	06S64996F22	680K ohm
R432	06S70072F14	24 ohm 1/4W	R504	06S64996F02	100K ohm
R434	06S70072F13	22 ohm 1/4W	R505	06S64995F69	4.7K ohm
R435	06S70072F14	24 ohm 1/4W			
R437	06S70072F14	24 ohm 1/4W	R506	06S53330F69	4.7K ohm 1/8W
			1		
		★** * ********************************	3	•	1

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	Part No.	Description	Symbol	Part No.	Description
No.	00004005505	COV obm	No.		
	06S64995F97	68K ohm			
	06S64995F93	47K ohm			
	06S64996F22	680K ohm			
R512	06S64996F04	120K ohm			
R513	06S64995F97	68K ohm		•	
R514	06S64995F77	10K ohm			
1	06S64996F10	220K ohm			
	06S64995F91	39K ohm			
	06S64995F77	10K ohm			
	i . '	1			
R518	06S64995F97	68K ohm			
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	100	1	}		
Misca	llaneous				
CB401	09T75038W14	Connector (16P)			
	09T75039W16	Connector (16P)			
	01T15513W18	Assy, Antenna Receptacle]. '-		
	09T55175W16	Speaker Output & Power Supply			
ET801	091001/00016				sude yet
100		Connector			the state of the s
HD1101	88E20705S01	Head			
	09T16653W01	DIN Connector			
LCD401	65T75144W01	LCD Display			
	01E20699S01	Assy., Motor			
	40E20707S01	Switch, Slide (FWD/REV)			
	40E20709S01	Switch, Leaf (MUTE)	1		
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	1 .		- 1		
\$1503	40E20706S01	Switch (POWER)		1.0	
S1503	40E20706S01	Switch (POWER)			
S1503	40E20706S01	Switch (POWER)			
\$1503	40E20706S01	Switch (POWER)			
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\$1503	40E20706S01	Switch (POWER)			
S1503	40E20706S01	Switch (POWER)			
S1503	40E20706S01	Switch (POWER)			



Cabinet Assembly Parts List

9)

ymbol No:	Index	Part No.	Description	Symbol No.	Index	Part No.	parts list are not supplied. Description
1	3-A	01V84100W01	Assy., Nose Unit				
2	5-D	13C80487W02	Assy., Front Escutcheon	11	1 1		
3	ŧ.	33C70276W01	Assy., Face Plate	11			
8	1	03S44205G29	Screw, Pan (M2.6×6)	11			
10	2-G	03S38013W02	Screw, Pan (M2.6 ×14)				
13	3-E	77T85329W01	FM/MW/LW Tuner Unit, MX-E155VE (FE001)				
16	4-C	15B70308W01	Case, LCD				
17		61A70307W01	Lens, LCD	11			
		15B70310W01	Cover, LCD				
18 19		26A70309W01	Reflector, Sheet				
20	3.R	75T75143W02	Rubber, Electric				
21		81T65045W01	Cassette Deck Mechanism,	11			
			GS75A010				
23		36A71255W01	Knob, Deck EJECT				
24	1-D	36A71256W01	Knob, Deck FF/REW		1 1		
25		03S44205G30	Screw, Pan (M2.6 ×4)				
26	3-A	13D70253W15	Assy., Nosepiece	11			
27	3-C	13D00558K01	Nose, Bottom				
28	3-B	36B70264W01	Knob, EJECT				
29	3-B	36B70265W01	Knob, FF	11			
30	3-B	36B70266W01	Knob, REW				
31	3-B	41A70267W01	Spring, EJECT				
32	3-C	41A70267W02	Spring, FF/REW				
33		03S71677F56	Screw, Pan (M1.7×12)				
34		14S61338W16	Insulator, Cover		1 1		
36		03S38013W13	Screw, Bind (M2.6 ×6)		1		Partie That is the first
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Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P80683W51).

2. Removal of Front Escutcheon

(1) After removal of Assy., Face Plate and Top Cover, remove the Hooks (a). ... Hooks (a) (4-D, 5-D, 5-E)

3. Removal of Cassette Deck Mechanism

- (1) After removal of Front Escutcheon, remove four screws No. 8. Screws No.8 (※1) (1-D, 1-E, 1-F)
- (2) Disconnect all connectors to Main P.C.Board.

4. Removal of Main P.C.Board

- screw No.8 and two screws No.10, and remove the Heat Sink.
- (2) Remove two screws No.8, remove DIN P.C.Board. Screws No.8 (%3) (4-F)
- (4) Main P.C.Board with SDK P.C.Board and DIN P.C.Board can be removed completely.

5. Removal of Front P.C.Board

5. i	Removal of Front P.C.Board			
(1)	After removal of Nose Unit, rem	ove two screws No.33 and the Hooks (c).		Screws No.33 (2-C)
. (-1				Hooks (c) (3-B, 3-C)
(2)	Romave the Hooks (d)		*************	Hooks (d) (2-C, 3-C)

Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description	
101	01V63500W15	Assy. Kit				. 1
102	15D50406W01	Case, Inner			er vijer en er op get	
103	07B64552F01	Bracket, Strap Receiver	1			
104	15D70318W01	Carrying, Case				
105	68P80683W51	Owner's Manual				
106	01T75469W11	Assy., Power Wire				

Packing Method View

